

USSN 09/855,403
March 6, 2003
Page 2

10. (Amended) An aerosol enhancement device, comprising:

a mouthpiece;

a spacer member fluidly attached to said mouthpiece via a mouthpiece port, said spacer member having an outer body which defines an interior volume;

an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said interior volume; and

an adapter associated with said inlet port for receiving a medicated aerosol, said adapter comprising a universal fitting which is capable of attaching said spacer member to either a nebulizer or a metered dose inhaler (MDI);

wherein said adapter is reversible, being disposable in a first orientation for attachment of said spacer member to a nebulizer, and being disposable in a second orientation for attachment of said spacer member to an MDI.

12. (Amended) The aerosol enhancement device as recited in Claim 10, wherein

said adapter comprises a first rigid connector end and a second flexible connector end, said first rigid connector end being adapted for attachment to a nebulizer and said second flexible connector end being adapted for attachment to an MDI.

14. (Amended) An aerosol enhancement device, comprising:

a mouthpiece having a first port for fluid communication with a patient's mouth, a second port which is open to atmosphere, and a third port, wherein an airway fluidly communicates with each of said first, second, and third ports;

a medication dispenser attached to said third port; and

a one-way flap valve disposed in said second port, said one-way flap valve including a valve seat for receiving said flap valve and preventing the flap valve from entering said airway, wherein said valve seat comprises a grid structure.

16. (Amended) The aerosol enhancement device as recited in Claim 14, and further comprising a pin for attaching said flap valve to said valve seat at one end thereof.

17. (Amended) The aerosol enhancement device as recited in Claim 14, and further comprising an exhalation filter disposed in said third port.

USSN 09/855,403
March 6, 2003
Page 3

25 cont 18. (Amended) The aerosol enhancement device as recited in Claim 14, wherein said flap valve is fabricated of a pliable plastic material.

Please add the following new claims:

21. (New) An aerosol enhancement device, comprising:

a mouthpiece having a first port for fluid communication with a patient's mouth, a second port which is open to atmosphere, and a third port, wherein an airway fluidly communicates with each of said first, second, and third ports;

a medication dispenser attached to said third port; and

an exhalation filter disposed in said second port.

22. (New) An aerosol enhancement device, comprising:

a mouthpiece;

a spacer member fluidly attached to said mouthpiece, said spacer member having a plurality of interior walls which define an interior volume, said interior volume comprising a mixing chamber;

an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said mixing chamber; and

an air inlet port disposed in said spacer member for receiving air into said air passage;

wherein said interior walls comprise generally planar wall segments and respective ends of each of said wall segments are joined to one another at acute angles to form said interior volume.

23. (New) The aerosol enhancement device as recited in Claim 22, wherein said spacer member comprises eight of said wall segments, such that said mixing chamber is generally octagonal in configuration.

24. (New) An aerosol enhancement device, comprising:

a mouthpiece;

USSN 09/855,403
March 6, 2003
Page 4

a spacer member fluidly attached to said mouthpiece via a mouthpiece port, said spacer member having an outer body which defines an interior volume;

an inlet port disposed in said spacer member for receiving a medicated aerosol from an exterior source into said interior volume; and

an adapter associated with said inlet port for receiving a medicated aerosol, said adapter comprising a universal fitting which is capable of attaching said spacer member to either a nebulizer or a metered dose inhaler (MDI), said adapter comprising a first rigid connector end and a second flexible connector end.

25. (New) The aerosol enhancement device as recited in Claim 24, wherein said adapter further comprises an engagement flange disposed between said first rigid connector end and said second flexible connector end.

26. (New) The aerosol enhancement device as recited in Claim 25, wherein said first rigid connector end is tubular.

27. (New) The aerosol enhancement device as recited in Claim 25, wherein said second flexible connector end comprises a pliable boot connector.

28. (New) An universal adaptive fitting for attaching an inlet port for receiving a medicated aerosol on a spacer member of an aerosol enhancement device to a source of medicated aerosol, comprising:

- a first rigid connector end; and
- a second flexible connector end.

29. (New) The universal adaptive fitting as recited in Claim 28, wherein said adaptive fitting further comprises an engagement flange disposed between said first rigid connector end and said second flexible connector end.

30. (New) The universal adaptive fitting as recited in Claim 29, wherein said first rigid connector end is tubular.